

1600

CRF Errors Corrected by the STIC Systems Branch.

Serial Number:

09/445,288A.

CRF Processing Date:

5/14/2003

Edited by:

Verified by:

(STIC staff)

ENTERED

RECEIVED

MAY 22 2003

TECH CENTER 1600/2900

☐

Changed a file from non-ASCII to ASCII

☐

Changed the margins in cases where the sequence text was "wrapped" down to the next line.

☐

Edited a format error in the Current Application Data section, specifically:

☐

Edited the Current Application Data section with the actual current number. The number in parentheses after the applicant was ☐ the prior application data; or ☐ other \_\_\_\_\_

☐

Added the mandatory heading and subheadings for "Current Application Data".

☐

Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

☐

Changed the spelling of a mandatory field (the headings or subheadings), specifically:

☐

Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:

☐

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

☐

Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

☐

Inserted colons after headings/subheadings. Headings edited included:

☐

Deleted extra, invalid, headings used by an applicant, specifically:

☒

Deleted: ☐ non-ASCII "garbage" at the beginning/end of files; ☐ secretary initials/filename at end of file; ☐ page numbers throughout text; ☐ other invalid text, such as \_\_\_\_\_

☐

Inserted mandatory headings, specifically: \_\_\_\_\_

☐

Corrected an obvious error in the response, specifically: \_\_\_\_\_

☐

Edited identifiers where upper case is used but lower case is required, or vice versa.

☐

Corrected an error in the Number of Sequences field, specifically: \_\_\_\_\_

☐

A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

☐

Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: \_\_\_\_\_

☐

Other: \_\_\_\_\_

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



1600

## RAW SEQUENCE LISTING

DATE: 05/14/2003

PATENT APPLICATION: US/09/445,788A

TIME: 12:00:15

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\05142003\I445788A.raw

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3 <110> APPLICANT: Cantab Pharmaceuticals Research Limited
4     Baldwin, Thomas J
5     Borriello, Peter S
6     Palmer, Helen M
8 <120> TITLE OF INVENTION: Live Attenuated Vaccines
10 <130> FILE REFERENCE: 5673-53922
C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/445,788A
C--> 12 <141> CURRENT FILING DATE: 2000-01-06
12 <160> NUMBER OF SEQ ID NOS: 18
14 <170> SOFTWARE: PatentIn version 3.1
16 <210> SEQ ID NO: 1
17 <211> LENGTH: 31
18 <212> TYPE: DNA
19 <213> ORGANISM: Artificial sequence
21 <220> FEATURE:
22 <223> OTHER INFORMATION: primer
24 <400> SEQUENCE: 1
25 ggaattcgay wscgaygayr tbcgbcayat g                               31
28 <210> SEQ ID NO: 2
29 <211> LENGTH: 31
30 <212> TYPE: DNA
31 <213> ORGANISM: Artificial sequence
33 <220> FEATURE:
34 <223> OTHER INFORMATION: primer
36 <400> SEQUENCE: 2
37 ggaattcrtc vggratrtgr ttcattrtcca t                               31
40 <210> SEQ ID NO: 3
41 <211> LENGTH: 27
42 <212> TYPE: DNA
43 <213> ORGANISM: Artificial sequence
45 <220> FEATURE:
46 <223> OTHER INFORMATION: primer
48 <400> SEQUENCE: 3
49 gcagatgccc gaagcttttt atagcgg                                     27
52 <210> SEQ ID NO: 4
53 <211> LENGTH: 36
54 <212> TYPE: DNA
55 <213> ORGANISM: Artificial sequence
57 <220> FEATURE:
58 <223> OTHER INFORMATION: primer
60 <400> SEQUENCE: 4
61 gagctcggtta ccgtgcagcg tgtccagatc tgcaag                         36
64 <210> SEQ ID NO: 5

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## RAW SEQUENCE LISTING

DATE: 05/14/2003

PATENT APPLICATION: US/09/445,788A

TIME: 12:00:15

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\05142003\I445788A.raw

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65 <211> LENGTH: 24
66 <212> TYPE: DNA
67 <213> ORGANISM: Artificial sequence
69 <220> FEATURE:
70 <223> OTHER INFORMATION: primer
72 <400> SEQUENCE: 5
73 cataaaggga tcctggttcg ccag 24
76 <210> SEQ ID NO: 6
77 <211> LENGTH: 37
78 <212> TYPE: DNA
79 <213> ORGANISM: Artificial sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: primer
84 <400> SEQUENCE: 6
85 ggtaccgagc tccaaatgaa ggcagatctc gtcgccc 37
88 <210> SEQ ID NO: 7
89 <211> LENGTH: 27
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: primer
96 <400> SEQUENCE: 7
97 acaatgaaag tagaattcgt cggtctgg 27
100 <210> SEQ ID NO: 8
101 <211> LENGTH: 27
102 <212> TYPE: DNA
103 <213> ORGANISM: Artificial sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: primer
108 <400> SEQUENCE: 8
109 gaabgcsgwg atgaattcgc cgcccat 27
112 <210> SEQ ID NO: 9
113 <211> LENGTH: 19
114 <212> TYPE: DNA
115 <213> ORGANISM: Artificial sequence
117 <220> FEATURE:
118 <223> OTHER INFORMATION: primer
120 <400> SEQUENCE: 9
121 ccctgctcac gtcgaccag 19
124 <210> SEQ ID NO: 10
125 <211> LENGTH: 19
126 <212> TYPE: DNA
127 <213> ORGANISM: Artificial sequence
129 <220> FEATURE:
130 <223> OTHER INFORMATION: primer
132 <400> SEQUENCE: 10
133 acgcggtcga cgctgcacg 19
136 <210> SEQ ID NO: 11
137 <211> LENGTH: 24

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## RAW SEQUENCE LISTING

DATE: 05/14/2003

PATENT APPLICATION: US/09/445,788A

TIME: 12:00:15

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\05142003\I445788A.raw

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138 <212> TYPE: DNA
139 <213> ORGANISM: Artificial sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: primer
144 <400> SEQUENCE: 11
145 aatacgcaat tggatcctgc ttgc 24
148 <210> SEQ ID NO: 12
149 <211> LENGTH: 25
150 <212> TYPE: DNA
151 <213> ORGANISM: Artificial sequence
153 <220> FEATURE:
154 <223> OTHER INFORMATION: primer
156 <400> SEQUENCE: 12
157 gatattgaat catatggaaa aattc 25
160 <210> SEQ ID NO: 13
161 <211> LENGTH: 27
162 <212> TYPE: DNA
163 <213> ORGANISM: Artificial sequence
165 <220> FEATURE:
166 <223> OTHER INFORMATION: primer
168 <400> SEQUENCE: 13
169 gtgattttgg ataagctttg caattcc 27
172 <210> SEQ ID NO: 14
173 <211> LENGTH: 24
174 <212> TYPE: DNA
175 <213> ORGANISM: Artificial sequence
177 <220> FEATURE:
178 <223> OTHER INFORMATION: primer
180 <400> SEQUENCE: 14
181 ccagcgccat gaagcttcca tcat 24
184 <210> SEQ ID NO: 15
185 <211> LENGTH: 24
186 <212> TYPE: DNA
187 <213> ORGANISM: Artificial sequence
189 <220> FEATURE:
190 <223> OTHER INFORMATION: primer
192 <400> SEQUENCE: 15
193 gacaggatcc aatggtgcaa aacc 24
196 <210> SEQ ID NO: 16
197 <211> LENGTH: 24
198 <212> TYPE: DNA
199 <213> ORGANISM: Artificial sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: primer
204 <400> SEQUENCE: 16
205 aatcatggtc atatgtgttt cctg 24
208 <210> SEQ ID NO: 17
209 <211> LENGTH: 23
210 <212> TYPE: DNA

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## RAW SEQUENCE LISTING

DATE: 05/14/2003

PATENT APPLICATION: US/09/445,788A

TIME: 12:00:15

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\05142003\I445788A.raw

211 &lt;213&gt; ORGANISM: Artificial sequence

213 &lt;220&gt; FEATURE:

214 &lt;223&gt; OTHER INFORMATION: primer

216 &lt;400&gt; SEQUENCE: 17

217 cggaattcgg tctgaagcgg atg

23

220 &lt;210&gt; SEQ ID NO: 18

221 &lt;211&gt; LENGTH: 24

222 &lt;212&gt; TYPE: DNA

223 &lt;213&gt; ORGANISM: Artificial sequence

225 &lt;220&gt; FEATURE:

226 &lt;223&gt; OTHER INFORMATION: primer

228 &lt;400&gt; SEQUENCE: 18

229 cgcagcagga attcccgttt atcg

24

**VERIFICATION SUMMARY**

PATENT APPLICATION: **US/09/445,788A**

DATE: 05/14/2003

TIME: 12:00:16

Input Set : **A:\PTO.AMC.txt**

Output Set: **N:\CRF4\05142003\I445788A.raw**

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date



1600

## RAW SEQUENCE LISTING

DATE: 05/14/2003

PATENT APPLICATION: US/09/445,788A

TIME: 08:08:57

Input Set : A:\5673-53922.ST25.txt

Output Set: N:\CRF4\05142003\I445788A.raw

3 <110> APPLICANT: Cantab Pharmaceuticals Research Limited  
 4 Baldwin, Thomas J  
 5 Borriello, Peter S  
 6 Palmer, Helen M  
 8 <120> TITLE OF INVENTION: Live Attenuated Vaccines  
 10 <130> FILE REFERENCE: 5673-53922  
 C--> 12 <140> CURRENT APPLICATION NUMBER: US/09/445,788A  
 C--> 12 <141> CURRENT FILING DATE: 2000-01-06  
 12 <160> NUMBER OF SEQ ID NOS: 18  
 14 <170> SOFTWARE: PatentIn version 3.1

## ERRORED SEQUENCES

220 <210> SEQ ID NO: 18  
 221 <211> LENGTH: 24  
 222 <212> TYPE: DNA  
 223 <213> ORGANISM: Artificial sequence  
 225 <220> FEATURE:  
 226 <223> OTHER INFORMATION: primer  
 228 <400> SEQUENCE: 18  
 229 ggcagcagga attcccgttt atcg  
 E--> 235 ①

Does Not Comply  
Corrected Diskette Needed

24

*delete*

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/445,788A

DATE: 05/14/2003

TIME: 08:08:58

Input Set : A:\5673-53922.ST25.txt

Output Set: N:\CRF4\05142003\I445788A.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:235 M:254 E: No. of Bases conflict, this line has no nucleotides.